

Title (en)

Annular reinforcing structure of radial tires.

Title (de)

Ringförmige Verstärkungseinlage eines radialen Luftreifens.

Title (fr)

Structures annulaires pour le renforcement de pneumatiques radiaux.

Publication

EP 0043563 A1 19820113 (EN)

Application

EP 81105150 A 19810702

Priority

IT 2329780 A 19800708

Abstract (en)

Radial tire provided with an annular reinforcing structure [6] comprising at least two layers [7, 8] of steel monofilaments arranged on a carcass [2] having at the crown point [A] a radius [Rt] of curvature, on the meridian plane equal to or greater than 400 mm.

IPC 1-7

B60C 9/20

IPC 8 full level

B60C 9/08 (2006.01); **B60C 9/20** (2006.01); **B60C 3/04** (2006.01)

CPC (source: EP US)

B60C 9/0064 (2013.01 - EP US); **B60C 9/2006** (2013.01 - EP US); **B60C 9/2009** (2013.01 - EP US); **B60C 2009/2077** (2013.01 - EP); **Y10S 57/902** (2013.01 - EP US)

Citation (search report)

- GB 1566328 A 19800430 - BRIDGESTONE TIRE CO LTD
- US 2811998 A 19571105 - MARCEL BOURDON PIERRE
- GB 1378524 A 19741227 - MICHELIN & CIE
- AT 335863 B 19770412 - STEELASTIC CO [US]
- LU 76739 A1 19770630
- FR 2229563 A1 19741213 - REIFENKOMBINAT FURSTENWALDE [DD]
- DE 970651 C 19581016 - MICHELIN & CIE
- GB 1472745 A 19770504 - DUNLOP LTD
- US 4172487 A 19791030 - ABE MASARU [JP], et al
- FR 2120421 A5 19720818 - MICHELIN & CIE, et al
- FR 2429681 A1 19800125 - YOKOHAMA RUBBER CO LTD [JP]

Cited by

WO2018024971A1; WO2015014574A1; US5442399A; FR3054805A1; EP0481080A4; US4957799A; CN105408127A; FR3064211A1; WO2018202982A1; WO2018206873A1; US11046114B2; EP0414892A4; EP0264981A1; US4840214A; US5234044A; US2022126629A1; WO2017072151A1; WO2018202983A1; WO2017072136A1; WO2017072142A1; WO2018202981A1; WO2018206874A1; WO2018172695A1; WO2017072139A1; WO2018202980A1; US10471774B2; WO2015014575A1; US10576787B2

Designated contracting state (EPC)

BE DE FR GB LU NL

DOCDB simple family (publication)

EP 0043563 A1 19820113; **EP 0043563 B1 19850116**; AR 225508 A1 19820331; DE 3168299 D1 19850228; ES 259474 U 19820116; ES 259474 Y 19820701; IT 1132524 B 19860702; IT 8023297 A0 19800708; JP S5726002 A 19820212; US 4371025 A 19830201

DOCDB simple family (application)

EP 81105150 A 19810702; AR 28515481 A 19810430; DE 3168299 T 19810702; ES 259474 U 19810630; IT 2329780 A 19800708; JP 7995781 A 19810526; US 27196381 A 19810609